

THE AGRICULTURAL PRODUCE MARKET COMMITTEE - BOTAD

DIST. : BOTAD

SCHEME :- SELF FUND

NAME OF WORK :- CONSTRUCTION WORK OF GODOWN @ FIRST FLOOR

Location : R.S. NO. 1031/ 1A/ P-10, APMC MAIN YARD, PALIYAD ROAD, AT BOTAD

SCHEDULE - "E"**PERCENTAGE RATE TENDER**

Item No. & Description	Quantity	Rate	Per	Amount
Item No. 1				
Providing and laying controlled cement concrete M-250 exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for RCC work in (A) BEAMS: (ii) Having cross-sectional area more than 0.08 Sq.M and upto 0.12 Sq.M	23.20	9547.56	Cumt	2,21,503.39
Item No. 2				
Providing and laying controlled cement concrete M-250 exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for RCC work in (A) BEAMS : (ii) Having cross-sectional area more than 0.12 Sq.M and upto 0.18 Sq.M	62.30	8051.70	Cumt	5,01,620.91
Item No. 3				
Providing and laying controlled cement concrete M-250 exposed work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for RCC work in (B) COLUMNS : (ii) Having cross sectional area more than 0.12 Sq.M and upto 0.18 Sq.M	29.30	10265.30	Cumt	3,00,773.29
Item No. 4				
Providing and laying controlled cement concrete M-250 and curing complete including the cost of formwork and reinforcement for reinforced concrete work in (C) Slabs, landing, shelves, Balconies, Lintels, Beams, Girders and Cantilever upto floor two level.	110.00	6895.33	Cumt	7,58,486.30
Item No. 5				
Providing and laying controlled cement concrete M-250 and curing complete including the cost of formwork and reinforcement for reinforced concrete work in (E) Staircases excluding landing upto floor two level	4.40	7292.49	Cumt	32,086.96
Item No. 6				
Providing TMT Bar FE 500D reinforcement for RCC work including bending, binding and placing in position complete upto floor two level	30830.00	76.21	Kg	23,49,554.30
Item No. 7				
Brick work using common burnt clay building brick having crushing strength not less than 35 Kg/Sqcm. in cement mortar 1:5 (1 cement : 5 fine sand) for brick work in superstructure above floor two level. (B) Conventional.	252.90	4092.26	Cumt	10,34,932.55
Item No. 8				
Providing 15mm thick cement plaster in single coat on Rough (Similar)side of single or half brick walls for interior plastering upto floor two level and finished even and smooth in (i) Cement mortar 1:3 (1-cement:3-sand)	3185.30	186.12	Sqmt	5,92,848.04
Item No. 9				
Applying two coats of putty & two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth.	3185.30	40.59	Sqmt	1,29,291.33
Item No. 10				
20mm thick sand faced cement plaster on walls upto height 10 metres above ground level consisting of 12mm thick backing coat of C.M. 1:3 (1-cement : 3-sand) and 8mm thick finishing coat of C.M. 1:1 (1-cement : 1-sand) etc. complete.	568.60	326.10	Sqmt	1,85,420.46
Item No. 11				
Providing throating or plaster drip and moulding to R.C.C. Chhaja.	513.90	40.99	Rmt	21,064.76
Item No. 12				

Providing and applying Exterior Emulsion paints of Asian Paints/ ICI Dulux/ Jotun of Royal Emulsion of Asian Paints in minimum 2 coats including scraping opening of existing cracks filling up of "V" cracks with epoxy expandable putty to required depth, making good weak plastered/ unplastered surface with cement plaster wherever required. Item to include Primer Making good existing surface to receive new paint including cleaning on completion of painting work etc. comp. in all respects. The Rate shall be included all materials and labour etc. All the work shall be carried out as per the instruction and drawings supplied by the consultant and the time of execution of works. Material will be approved by engineer in charge.	568.60	215.13	Sqmt	1,22,322.92
Item No. 13				
Providing & fixing M.S. grills of required pattern to wooden frames of windows etc. with M.S. flats at required spacing and frame all-round square or round bars with round headed bolts and nuts or by screws. (A) Plain grill	418.50	101.17	Kg	42,339.65
Item No. 14				
Providing and fixing rolling shutters of approved make made of 80 mm wide M.S. laths inter-locked together through their entire length and jointed together at the ends by end locks mounted on specially designed pipe shaft with bracket plates, guide channels and arrangements for inside and outside locking with push-pull operation including the cost of hood cover and spring etc. complete. (A) Shutters having width 3.50 Mt. and above	309.60	4495.01	Sqmt	13,91,655.10
Item No. 15				
Applying priming coat of over new steel and other metal surface after and including preparing the surface by thoroughly cleaning, oil grease, dirt and other foreign mater and scoured with brushes fine steel wool, scrapers and sand paper with ready mixed priming paint brushing red lead.	326.30	34.99	Sqmt	11,417.24
Item No. 16				
Painting two coats (excluding priming coat) on new steel and other metal surface with enamel paint, brusing interior to give an even shade including cleaning the surface an even shade including cleaning the surface of all dirt, dust and other foreign matter.	326.30	87.81	Sqmt	28,652.40
Item No. 17				
Providing and fixing flush door shutters, solid core construction with frame of first class hardwood with cross board and face veneer or plywood face panels, including anodised alluminium butt hinges with necessary screws. (B) Non-decorative type and block board core anodised alluminium butt hinges in flush door shutters (2) 35 mm thick.	19.50	1797.77	Sqmt	35,056.52
Item No. 18				
P & L 24" x 24" vitrified 8mm thick tile flooring over 20mm (average) base of cement mortar 1:6 (1 cement: 6 coarse sand) on new surface or fixing on existing flooring by adhesive material including dismantling of existing flooring and jointed with color cement slurry including finised with flush pointing & cleaning the surface etc. complete for light shade	623.00	1204.20	Sqmt	7,50,216.60
Item No. 19				
Providing and laying Kota stone slab 25 mm Thick in risers of steps, dedo and pillars laid on 10 mm thick cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. complete.	80.20	1056.25	Sqmt	84,711.25
Item No. 20				
Providing and laying coloured glazed tiles of the size 300mm x 200mm x 8mm / 300mm x 450mm x 8mm in skirting, risers of steps and dedo on 10mm thick cement plaster 1:3 (1 cement : 3 coarse sand) & jointed with white cement slurry.	155.30	1417.36	Sqmt	2,20,116.01
Item No. 21				

Providing and laying broken chine mosaic flooring for terrace using 12mm to 20mm broken pieces of glazed tiles to be laid over cement mortar 1:3 to plain or slope and to be tempered to bring mortar creme out up to surface using white cement including rounding off junctions and extending them upto 15cm along the wall, clearing with water and oxalic acid etc. as directed. Terrace Floor	651.20	747.28	Sqmt	4,86,628.74
Item No. 22				
extra For Providing And mixing water proofing material in cement concrete in mix proportion recommended by the manufacturers. (0.20 Kg./1 Sqmt.)	325.60	49.15	Lit/Kg	16,003.24
Item No. 23				
Providing and fixing G.I. Rain water spout of 50mm dia. and 30cm. length.	16.00	101.90	Ea	1,630.40
PLUMBING & SANITARY FITTINGS :				
Item No. 24				
Providing erecting fixing double coated ISI Water Tank of Required Capacity each with all necessary fittings & connection etc. complete on Terrace.	3000.00	3.95	Lit	11,850.00
Item No. 25				
Providing, laying and jointing in true line and level 15mm dia. U.P.V.C. pipe (SCH-40) for cold water including fittings as approved by Engineer-in-charge. Pipe shall be fixed on the wall with the help of clamp at every two meter c/c or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials. First Floor 25mm dia.	75.00	72.65	Rmt	5,448.75
Item No. 26				
Providing, laying and jointing in true line and level 32mm dia. U.P.V.C. pipe (SCH-40) for cold water including fittings as approved by Engineer-in-charge. Pipe shall be fixed on the wall with the help of clamp at every two meter c/c or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials. First Floor 32mm dia.	50.00	119.15	Rmt	5,957.50
Item No. 27				
Providing, laying and jointing in true line and level 110mm diameter U.P.V.C. (Type B) pipe Conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring & fittings comforming to ISI : 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 110mm diameter x 149mm length x 145mm high at every 2000mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipe and joints and jointed with adhesive solvent cement including cost of all materials. 110mm dia.	30.00	835.14	Rmt	25,054.20
Item No. 28				
Providing and fixing wash down water closet (European type, W.C. Pan) with integral P or S trap including jointing the trap with soil pipe in Cement Mortar 1:1 (1-Cement : 1-fine sand) (Seal and cover to be measured and paid for separately) (A) vitreous China Pattern : (i) in colour	2.00	1303.70	Each	2,607.40
Item No. 29				
Providing and fixing plastic seat and cover for wash down water closer with C.P. brass hinges and rubber buffers. (B) Black plastic seal and cover.	2.00	291.33	Each	582.66
Item No. 30				
Providing and fixing Jet Spray Heavy duty with S.S. Braided hose 60 cm long with including fittings.	2.00	308.99	No	617.98
Item No. 31				
Providing and fixing chromium plated brass half trun flush cock of approved quality including fixing in pipe line etc. complete. (ii) 20mm dia.	2.00	254.78	Each	509.56
Item No. 32				
Providing and fixing screw down bib taps of following size. (B) Brass chromium plated screws down Bib Tap. (i) 15mm dia.	6.00	186.83	No	1,120.98
Item No. 33				

Providing and fixing Concealed Cock 15mm dia Heavy duty with cap including fittings.	2.00	491.30	No	982.60
Item No. 34				
Providing and fixing Angle stop cock 15mm dia Heavy duty with cap including fittings.	16.00	407.42	No	6,518.72
Item No. 35				
Providing and fixing wash basin with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fittings. (A) Vitreous China : (ii) Flat Back washbasin 550 mm x 400mm size. (i) In colour.	4.00	1414.18	Each	5,656.72
Item No. 36				
Providing and fixing M.I. fisher union for washbasin or sink. (A) 32mm dia.	4.00	78.75	Each	315.00
Item No. 37				
Providing and fixing pillar tap, capstan head, screw down high pressure with screws, shanks and back nuts. (i) 15mm dia.	4.00	308.72	Each	1,234.88
Item No. 38				
Providing and fixing chromium plated, bottle trap with necessary couplings of approved quality for wash basin.	4.00	295.79	Each	1,183.16
Item No. 39				
Providing and fixing Urinal of approved quality including connecting the urinal with waste pipe, tap etc. complete. (A) White earthenware flat back or corner type size 430mm x 260mm x 350mm.	10.00	1036.27	Each	10,362.70
Item No. 40				
Providing and fixing chromium plated brass half turn flush cock of approved quality including fixing in pipe line etc. complete. (ii) 32mm dia.	10.00	275.76	Each	2,757.60
Item No. 41				
Providing and fixing C.P. brass shower rose with 15mm or 20mm inlet. (A) 100mm dia. Each	2.00	282.16	Each	564.32
Item No. 42				
Providing and fixing Brass screw down stop tap for Wash Basin with including fittings. (A) 15mm	2.00	205.82	Each	411.64
Item No. 43				
Providing and fixing ball cock of approved. quality as directed. (A) Copper Metal (ii) 50mm dia.	4.00	189.84	Each	759.36
Item No. 44				
Providing and fixing Gun metal check or non-return fullway wheel valve. (A) 15mm dia. F.F.	2.00	186.83	Each	373.66
Item No. 45				
Providing and fixing Gun metal check or non-return fullway wheel valve. (E) 40mm dia. F.F.	2.00	663.42	Each	1,326.84
Item No. 46				
Providing and fixing PVC SWR Nahni Trap IS 14735 for drain - 100 mm diameter with jali of the following nominal diameter of self cleansing design with C.I. Screwed down or hinged grating including the cost of cutting and making good the walls.	8.00	558.35	Each	4,466.80
Item No. 47				
Providing and fixing S.W. gully trap with C.I. grating brick masonry chamber and water tight C.I. cover with frame of 300mm x 300mm size (inside) with standard weight. (i) Square mouth traps. (A) 100mm x 100mm size P type.	4.00	1292.19	Each	5,168.76
Item No. 48				
Constructing brick masonry chamber for under ground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35kg. cm ² in CM 1:5 CI cover with frame (Light duty) 455 mm x 610mm internal dimensions, total weight of cover with frame to be not less than 38 kg. (Wt. of cover 23Kg.) and Wt. of frame 15kg.) (RCC top slab with 1:2:4 mix (1-cement : 2-coarse sand : 4-graded stone aggregate 20mm nominal size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete. in excavation work (I) Inside dimension 455mm x 610mm and 450mm deep for single pipe line.	4.00	2932.92	No	11,731.68

Electrical Work

Item No. 49				
Point wiring for Light/Bell with 2-1.5 sqmm & earthwire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in/ on surface on wall/ ceiling complete with 6A Modular type switch/ bell push & accessories and earth continuity of following type, erected on PVC/ Metallic box, single mounting base frame covered with textured/metallic front plate modules erected on/ in wall/ ceiling as per pipe erected, with necessary Lamp holder/ ceiling rose/ H.D.Connector as directed. (a) with medium class Rigid PVC pipe and accessories erected flushed on wall/ceiling complete. Cat. III	140.00	493.89	Pt	69,144.60
Item No. 50				
Point wiring for Individual Plug with & earthwire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of to be erected concealed in/ on surface of wall/ ceiling complete with Modular type switch & 5 pin Plug erected on PVC/ Metallic box covered with appropriate front plate modules erected on/ in wall/ ceiling as per pipe erected with following type of accessories. [II] For 16A Plug and 16 amp switch with 2-2.5 sq.mm Cu. Wire from mcb db board. (a) with medium class Rigid PVC pipe and accessories erected flushed on wall/ceiling complete Cat. III	42.00	788.81	Pt	33,130.02
Item No. 51				
Point wiring for FAN with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV Grade FRLS PVC insulated multi strand copper wires upto 10 mtr length, in below type of pipe erected with 6A Modular type switch and hum free EME step type electronic fan regulator mounted and accessories with earth continuity of following type erected on PVC/ Metallic/ Wooden box, single mounting base frame covered with textured/ metallic/ white front plate modules erected on/ in wall/ ceiling as per pipe erected. with necessary ceiling rose/ H.D.Connector as directed. (a) with medium class Rigid PVC pipe and accessories erected flushed on wall/ ceiling complete (Cat. III)	56.00	705.99	Pt	39,535.44
Item No. 52				
Point wiring for Looped Plug with 6A Modular type switch & 5 pin socket erected on PVC/ Metallic box, single mounting base frame covered with textured/ metallic front plate modules erected on/ in wall/ ceiling with following type accessories. Cat. III	28.00	283.81	Pt	7,946.68
Item No. 53				
Providing & erecting 240 V MCB double pole switch for lighting Load (B Curve) having 10 KA breaking capacity & confirms to IS : 8828 in existing box having following capacity (b) 40 Amp. Cat.III	32.00	388.85	Pt	12,443.20
Item No. 54				
providing and erecting Miniature circuit breaker single pole 6A to 25A suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark. Cat-III	18.00	131.30	Pt	2,363.40
Item No. 55				
Supplying & erecting approved make Telephone Cable electrolytic copper conductor PE insulation twisted in two pairs, & wrapped with FRLS PVC tape & sheathed with FRLS PVC or HFFR outer Jacket suitable for telephone wiring & confirming to C-DOT erected in existing pipe. of following size of conductors & nos.of pairs. With necessary connections. [A] Conductor Size 0.5 mm (a) Unarmoured (1) One Pair	210.00	14.14	Mt.	2,969.40
Item No. 56				
Supplying & erecting approved make LAN cable of following size in existing pipe as per direction [E] CAT - 6 shielded	210.00	105.04	Mt.	22,058.40
Item No. 57				

Supplying & erecting earth pit of minimum bore dia. 150mm size approved make Earthing Electrode consisting Pipe-in-Pipe Technology as per IS3043-1987 made of corrosion free hot dipped G.I. Pipes having Outer pipe dia of 50mm having 80-200 Micron galvanising, Inner pipe dia of 25mm having 200-250 Micron galvanising, connection terminal dia of 12mm with constant ohmic values surrounded by highly conductive compound with high charge dissipation suitable for following type of application switch chamber and heavy duty cover. (A) (approved make OEM has to submit test certificate including value of earth resistance of installation duly stamped and signed by agency and officer In charge has to ensure the value of earthing resistance mentioned in test Certificate) & having back filling compound of				
(B) Inner chemical (CCM Compound) -Resistivity: -0.2 ohm/ meter testing as per IEC 62561-2017, Voltage drop :-<1 volt at no load & dry form, Sulphur content :-<2% (C) Back fill Compound :-Earthing compound should be capable to retain moisture for long time Necessary test report must be submitted by Agency. (a) For Electrical Installation up to 440V in normal soil, Length of pipe - 1 Mtr, Back filling compound - 1 Nos Bag of 15 Kg.	14.00	5416.63	Ea	75,832.82
Item No. 58				
providing and erecting Cast iron earth plate size 30 X 30 X 0.35 cms. buried in specially prepared 2.5 Mtr. deep earth pit complete with necessary G.I. strip in G.I. pipe 2 Mtr. long with coupling and G.I. plug for earthing of switch gear, conduit run or power plug etc.	14.00	808.00	Ea	11,312.00
Item No. 59				
For using salt and charcoal/ coke as required for pipe type earthing.	14.00	202.00	Ea	2,828.00
Total Amounts Rs.....				97,05,459.76
Say Rs.....				97,05,460.00
I/We am/are willing to carry out the work @ _____% Above / Below _____Percentage (should be written in figures and words) of the Estimated rates mentioned above amount of my / our Tender works out as under.				
<u>Estimated Amount</u>		<u>Estimated Amount</u>		
Put to Tender Rs. 97,05,460=00		Put to Tender Rs. 97,05,460=00		
Add% Rs.		Deduct %Rs.		
Total Rs.		Total Rs.		
(In Words		(In Words		

Stamp with Signature of Contractor

Consl.Engineer
"DESIGN POINT"
 Amreli

Secretary
APMC Botad
 Botad

Chairman
APMC Botad
 Botad

Sche B